

IN THE CLAIMS

Please replace the presently pending claims with the following amended claims:

1. (Currently Amended) A ~~W~~water evaporative air conditioner for vehicle cabins and the like, ~~of the type including the air conditioner comprising:~~

an evaporation chamber ~~(1) in which mist forming means (4) are provided~~, air being delivered into said evaporation chamber ~~(1)~~ with a view to being directed towards said cabin via an air outlet ~~(6)~~, while passing through at least one wet filter ~~(5)~~, ~~characterised in that it includes~~

a mister, which delivers mist into the evaporation chamber;

a run-off provided in the vicinity of said wet filter; and

a deflector means (3), (31) making it possible positioned to cause said delivery air and said mist to converge towards ~~the run-off means provided in the vicinity of said wet filter (5)~~, with the result being that the droplets of water formed by the mist are directed towards ~~the~~ a surface of said wet filter ~~(5)~~ facing ~~the~~ an inside of said evaporation chamber ~~(1)~~, and run off over this surface.

2. (Currently Amended) Air conditioner of claim 1, ~~characterised in that~~ wherein said wet filter ~~(5) is made of~~ comprises a hydrophilic material.

3. (Currently Amended) Air conditioner ~~as claimed in one of claims 1 and 2~~, ~~characterised in that~~ of claim 1, wherein said run-off ~~means~~ includes at least one impact lip (71) for said droplets, extending into ~~the~~ an upper portion of said wet filter ~~(5)~~ in a plane substantially coincident with the plane of said surface of said filter turned towards the inside of said chamber.

4. (Currently Amended) Air conditioner of claim 3, ~~characterised in that~~ wherein said lip ~~(71)~~ is formed by a fold made in a plate ~~(7)~~, referred to as a drop-out plate, fastened beneath a closing cover for said evaporation chamber ~~(1)~~.

5. (Currently Amended) Air conditioner of claim 4, ~~characterised in that~~ wherein said drop-out

plate (7) has a raised portion or profile designed to evenly distribute the water over said lip.

6. (Currently Amended) Air conditioner ~~as claimed in any of claims 1 to 5, characterised in that it includes~~ of claim 1, and further comprising a delivery air distribution box, which delivers the air into the evaporation chamber, and wherein the deflector comprises a deflector plate (31) running in line with ~~[[a]]~~ the delivery air distribution box (3).

7. (Currently Amended) Air conditioner of claim 6, ~~characterised in that~~ wherein said deflector plate (31) contains perforations (32) and/or a cut-out section (33) in an upper edge thereof.

8. (Currently Amended) Air conditioner ~~as claimed in one of claims 6 and 7, characterised in that of claim 6, wherein~~ said ~~mist-forming means (4)~~ mister includes at least one injector positioned in relation to said deflector ~~means (3), (31)~~ such that said at least one injector ~~or injectors~~ expels the water in a direction that, in the area of said run-off ~~means~~, converges with the airflow at ~~the~~ an outlet of said deflector ~~means~~.

9. (Currently Amended) Air conditioner ~~as claimed in any of claims 1 to 8, characterised in that of claim 1, wherein~~ said chamber (1) includes at least two drain-off points (10) for the condensed water, which are paired with ~~extracting means~~ an extractor.

10. (Currently Amended) Air conditioner ~~as claimed in any of claims 1 to 9, characterised in that of claim 1, wherein~~ said chamber has a bottom provided with ~~lining means~~ a liner including at least one of the ~~means~~ elements belonging to the following group:

- a covering with a material (8) including a plurality of tubes joined to one another or intercommunicating cells; and
- a profiling (9) having at least one water pass-through ~~means~~.

11. (Currently Amended) Air conditioner of claim 10, ~~characterised in that~~ and further comprising a pad made of a soft foam material is interposed between said covering (8) and ~~the~~ a bottom of said chamber (1).

12. (Currently Amended) Air conditioner of claim 10, ~~characterised in that~~ wherein the profiling (9) has at least one of the ~~means~~ elements belonging to the following group:

- a water pass-through opening;
- a space formed in relation to ~~the~~ a bottom and/or walls of said chamber; and
- an upper lip (93) extending said profiling.

13. (Currently Amended) Air conditioner ~~as claimed in any of claims 9 to 12, characterised in that~~ of claim 9, wherein said ~~extraction means are~~ extractor is connected to a water reservoir (11) ~~and in that~~ a valve (116) makes it possible to shift between two configurations:

- a recycling configuration in which the water recovered by said ~~extraction means~~ extractor is redirected towards said reservoir; and
- a discharge configuration in which the water recovered by said ~~extraction means~~ extractor is discharged as waste water.

14. (Currently Amended) Air conditioner ~~as claimed in any of claims 1 to 13, characterised in that it includes~~ of claim 1, and further comprising wetting means (51) built into said wet filter (5).

15. (Currently Amended) Air conditioner of claim 14, ~~characterised in that~~ wherein said wetting means include a circulating system made of a porous material.

16. (Currently Amended) A ~~v~~Vehicle whose cabin is equipped with a water evaporative air conditioner, ~~of the type including~~ which comprises:

- an evaporation chamber (1) ~~in which mist forming means (4) are provided~~, air being delivered into said evaporation chamber (1) with a view to being directed towards said cabin via an air outlet (6), while passing through at least one wet filter (5); ~~characterised in that it includes~~
- a mister, which delivers mist into the evaporation chamber;
- a run-off provided in the vicinity of said wet filter; and
- a deflector means (3), (31) making it possible positioned to cause said delivery air and said mist to converge towards the run-off ~~means provided in the vicinity of said~~

~~wet filter (5)~~, with the result being that ~~the~~ droplets of water formed by the mist are directed towards ~~the~~ a surface of said wet filter (5) facing ~~the~~ an inside of said evaporation chamber (1), and run off over this surface.

17. (Currently Amended) Vehicle of claim 16, ~~characterised in that~~ wherein said cabin (12) and/or said air conditioner include ~~means of diffusing (121)~~ a diffuser, which diffuses the air coming from said air conditioner, making it possible to point at least one airflow into said cabin (12) directly towards at least one operator position.

18. (Currently Amended) Vehicle ~~as claimed in one of claims 16 and 17, characterised in that~~ of claim 16, wherein said cabin and/or said air conditioner include means of slaving the flow rate of the air coming from said air conditioner to ~~the pressurisation~~ a pressurization of said cabin, provided in such a way that the air flow rate varies inversely in relation to ~~the~~ variations in said ~~pressurisation~~ pressurization.

19. (Currently Amended) Vehicle ~~as claimed in any of claims 1 to 18, characterised in that~~ of claim 18, wherein said cabin and/or said air conditioner include a diffuser, which diffuses the air coming from said air conditioner, making it possible to point at least one airflow into said cabin directly towards at least one operator position, and , wherein said slaving means also act on said ~~diffusion means~~ diffuser so that the air is pointed towards the operator position when the ~~pressurisation~~ pressurization of said cabin decreases, and is pointed in another direction when said ~~pressurisation~~ pressurization increases.

20. (Currently Amended) A cabin ~~Cabin~~ designed to be mounted on a vehicle equipped with a water evaporative air conditioner, ~~of the type including~~ the cabin comprising:

an evaporation chamber (1) in which mist-forming means (4) are provided, air being delivered into said evaporation chamber (1) with a view to being directed towards said cabin via an air outlet (6), while passing through at least one wet filter (5), ~~characterised in that it includes~~

a mister, which delivers mist into the evaporation chamber;

a run-off provided in the vicinity of said wet filter; and

a deflector ~~means (3), (31) making it possible~~ positioned to cause said delivery air and said mist to converge towards the run-off ~~means provided in the vicinity of said wet filter (5),~~ with the result being that ~~the~~ droplets of water formed by the mist are directed towards ~~the~~ a surface of said wet filter (5) facing ~~the~~ an inside of said evaporation chamber (1), and run off over this surface.